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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/586,818	07/20/2006	Takashi Nagai	26281-22A	9019
34238 7590 08/06/2008 ARTHUR G. SCHAIER			EXAMINER	
CARMODY & TORRANCE LLP			GOODROW, JOHN L	
50 LEAVENWORTH STREET P.O. BOX 1110			ART UNIT	PAPER NUMBER
WATERBURY, CT 06721			1795	
			MAIL DATE	DELIVERY MODE
			08/06/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/586,818 NAGAI, TAKASHI Office Action Summary Examiner Art Unit JOHN L. GOODROW 1795 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS.

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- Exter after - If NC - Failu Any	CHEVER IS LONGER, FROM THE MALLING DATE OF THIS COMMUNICATION. Tasions of time may be available under be provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed SIX (6) MONTHS from the mailing date of this communication. SIX (6) MONTHS from the mailing date of this communication, period for reply will apply and will expire SIX (6) MONTHS from the mailing date of this communication reply received by the Office later than the mailing date of this communication reply work of the property received by the Office later than these months after the mailing date of this communication, even if timely filed, may reduce any departed man displanter. See 30 CFR 1.74(b).
atus	
1)	Responsive to communication(s) filed on
2a)	This action is FINAL. 2b)⊠ This action is non-final.
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.
spositi	ion of Claims
4)🛛	Claim(s) 1-9 is/are pending in the application.
	4a) Of the above claim(s) is/are withdrawn from consideration.
5)	Claim(s) is/are allowed.
6)🛛	Claim(s) <u>1-9</u> is/are rejected.
7)	Claim(s) is/are objected to.
8)□	Claim(s) are subject to restriction and/or election requirement.
plicat	ion Papers
9)	The specification is objected to by the Examiner.
10)	The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d
11)	The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.
iority ı	ınder 35 U.S.C. § 119
	Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a)	☐ All b)☐ Some * c)☐ None of:
	1. Certified copies of the priority documents have been received.
	2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage
	application from the International Bureau (PCT Rule 17.2(a)).
* 0	See the attached detailed Office action for a list of the certified copies not received.
	see the attached detailed Office action for a list of the certified copies not received.

Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. __ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) X Information Disclosure Statement(s) (PTO/SE/DE) 5) Notice of Informal Patent Application

6) Other:

Paper No(s)/Mail Date 7/06

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DETAILED ACTION

Information Disclosure Statement

 The information disclosure statement (IDS) submitted on 7/06 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sugimoto et al [20030054275] in combination with Sakaizawa et al [20020048468] and Okamura et al [20020009313]. Sugimoto et al teaches a magnetic toner and a method of using the toner. The toner is used with an amorphous silicon dioxide photoconductor note [0043]. The method uses a carrier with a surface roughness note [0039] in the range of 3.0µm to 5.5µm. Sugimoto et al fails to teach the image density of the developed image or the shape or the size of the toner particle. Sakaizawa et al teaches the shape and size of the toner particle note [0088]-[0101]. The size is 4µm to 8µm with a limit in variation coefficient of number-basic distribution. Okamura et al teaches the use of a sand blast treatment of a carrier to form a rough surface. The toner has a sphericity of 1 expressed in Wadell's to provide an image of high fidelity and high definition. With a nearly spherical shape the toner particles can readily form a tight packed deposition layer on

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the photoreceptor. It would be obvious to one of ordinary skill in the art at the time of applicants' invention with a reasonable expectation of success to use the toner size and shape in the improvement of the developed image density.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN L. GOODROW whose telephone number is (571)272-1384. The examiner can normally be reached on Monday -Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark F. Huff can be reached on 571-272-1385. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John L Goodrow/ Primary Examiner, Art Unit 1795

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